

Applicant's Name \_\_\_\_\_

## **GENERAL REGULATORY CRITERIA**

### **Regulatory Experience and Expertise**

#### **Regulatory Experience and Expertise Explained:**

This form documents your knowledge of the meaning and application of the Code of Federal Regulations (CFRs). This knowledge allows the DER to determine compliance with the appropriate airworthiness regulations. In the REGULATORY CRITERIA blocks, check the spaces next to the CFR part(s) for which you are seeking a designation. You must submit supplementary documentation which verifies where and how you acquired your knowledge of acceptable compliance to the requested CFR part. An example might look as follows:

"From 1987 to the present, I have been employed by the Big Airplane Company in Mojave, Texas. My recent position (1995-1997) was as a Systems Integration Engineer on the re-engine modification project on the AA-490 airplane. I reviewed and coordinated with the FAA Project Manager, Mr. J. Smith, on the certification basis for this project. I reviewed applicable Advisory Circulars in the 20- and 25- series and prepared and submitted the Certification Plan for the project. There were four Special Conditions on this project that I coordinated with the FAA and developed the method of compliance for lightning, HIRF, composite nacelles, and cockpit instruments. The Special Conditions and Method of Compliance Issue Papers were coordinated with Mr. R. Jones of the Transport Directorate Standards Staff.

<b><i>DER APPLICANT USE ONLY</i></b>
<b>CRITERIA DESCRIPTION:</b>
Applicant provides supplementary documentation to verify he/she is cognizant of regulatory requirements and problems related to civil aircraft approvals and has had direct experience requiring expertise in the certification process.

<b><i>FAA USE ONLY</i></b>	
<b>Adv</b>	<b>EP</b>

<b><i>DER APPLICANT USE ONLY</i></b>	
<b>Requested</b>	<b>Possesses a working knowledge of the pertinent FAA regulations.</b>
	CFR 21
	CFR 23
	CFR 25
	CFR 27
	CFR 29
	CFR 31
	CFR 33
	CFR 34
	CFR 35
	CFR 36
<b>NOTE:</b> The delegation of a specific regulation also includes the delegation for predecessor and other applicable regulations.	

<b><i>FAA USE ONLY</i></b>	
<b>Adv</b>	<b>EP</b>

Supplementary Documentation (attach additional sheets as required).

---

---

---

---

---

---

---

---

---

---

---

---

---

Applicant's Name\_\_\_\_\_

## **GENERAL TECHNICAL CRITERIA**

### **Technical Expertise and Experience**

#### **Technical Expertise and Experience Explained:**

This form documents that the you have had at least 8 years of progressively responsible experience in the appropriate engineering discipline. Incorporated into these criteria is a requirement to possess knowledge of those fundamentals common to all engineering disciplines. This form is also used to determine the Delegated Functions/Authorized Areas that are the basis for the scope of appointment. You must list at least three references and include telephone numbers at which they may be reached during normal business hours Monday through Friday. These references must be persons who have first-hand knowledge of your technical abilities. These persons must possess the technical knowledge necessary to make such a judgment regarding your technical ability. Although not required, it will be helpful if these references are persons known to the Aircraft Certification Service. You must include supplementary documentation which verifies that you possess appropriate engineering knowledge. This may be done by listing an engineering degree from an accredited university, by indicating you have successfully completed the Engineer-In-Training test of a state's Professional Engineering Registration program, or by documenting experience and education by which you have gained the basic knowledge common to all engineering disciplines.

<b>DER APPLICANT INFORMATION</b>	
<b>CRITERIA DESCRIPTION:</b>	
Basic Engineering Knowledge: (fundamentals) Accredited Engineering Degree Documented Knowledge	
List a minimum of three verifiable technical references (You may use the same three as character references):	
1. _____	_____
Name	Phone Number
2. _____	_____
Name	Phone Number
3. _____	_____
Name	Phone Number
4. _____	_____
Name	Phone Number
5. _____	_____
Name	Phone Number
Engineering Experience: 8 years experience ( <i>An engineering degree or equivalent may be substituted for 4 years of this requirement</i> )	

<b>FAA USE ONLY</b>		
<b>Adv</b>		<b>EP</b>
	<b><i>ACO advisor must contact at least three references giving positive recommendations.</i></b>  <b><i>Or</i></b>  <b><i>Advisor attaches justification for not contacting references.</i></b>	
	Advisor lists years rated_____	

Supplementary Documentation (attach additional sheets as required).

---

---

---

---

---

---

---

---

---

---

---

Applicant's Name \_\_\_\_\_

## **GENERAL INTERFACE CRITERIA**

### **Direct Interface With FAA Personnel and Procedures**

#### **Direct Interface With FAA Personnel and Procedures Explained:**

This form is used to document both your character references and your direct interface with the FAA personnel and procedures. List at least three references and include a telephone number where they may be contacted during normal office hours Monday through Friday. These references should be able to verify your integrity, ethics, and interpersonal skills.

<b>DER APPLICANT INFORMATION</b>		<b>FAA USE ONLY</b>	
<b>CRITERIA DESCRIPTION</b>		<b>Adv</b>	<b>EP</b>
List a minimum of three verifiable character references who can substantiate that you possess integrity and sound judgment. (You may use the same three as technical references):			
1.	_____ Name Phone Number		
2.	_____ Name Phone Number		
3.	_____ Name Phone Number		
4.	_____ Name Phone Number		
5.	_____ Name Phone Number		
Applicant has the ability to maintain the highest degree of objectivity while performing authorized functions on behalf of the FAA.			
Applicant has demonstrated adequate experience working directly with the FAA within the technical discipline requested.			
Applicant has a good command of the English language, both oral and written.			
Applicant must be sufficiently knowledgeable in technical and administrative functions associated with the appointment and must satisfactorily demonstrate this to the FAA prior to appointment.			
Applicant shall possess unquestionable integrity, sound judgment and a cooperative attitude. (Company applicant must include a statement from the company attesting to these attributes)			
Company applicant must report to a level of management in the Organization sufficient to enable the applicant to administer the pertinent FAA regulations effectively without undue pressure or influence from other organization elements.			
Applicants title:		Executive Title Y/N (Circle One)	

You must include documentation showing that you have had significant experience in a direct working relationship with the FAA. This documentation should be in the format of: Projects worked, Dates of work, Activity involved, Point of contact within the FAA. An example might look as follows:

"Big Airplane AAA-44, April 1989 to present, STC project for EFIS system on Boeing Model 727-200; Jerry Smith (1989-1990) and multiple STC projects; George Burns (1990-present)."

Supplementary Documentation (attach additional sheets as required)

---

---

---

---

Applicant's Name \_\_\_\_\_

## **GENERAL STANDARDIZATION CRITERIA**

### **Knowledge of the Standardized FAA DER System**

#### **Knowledge of the Standardized FAA DER System Explained:**

This form is used to document your knowledge of DER responsibilities, authority, limitations, activities and procedures while serving as a representative of the FAA Administrator in the FAA certification process. Following the STANDARDIZATION CRITERIA form is the DER Knowledge-Based Test, which is used as evidence of your knowledge of DER functions. Complete the test, affirm with your signature, and return it with the rest of the application package. You may gain this knowledge through experience, attending FAA DER Standardization Seminars, or by directed self study.

<i><b>DER APPLICANT INFORMATION</b></i>
<b>CRITERION DESCRIPTION:</b>
<b>Applicant completes knowledge-based test</b>

<i><b>FAA USE ONLY</b></i>		
<b>Adv</b>		<b>EP</b>
	Review completed test	

List relevant Standardization experience (Seminars attended etc.).

---

---

---

---

---

---

---

---

#### **Knowledge-Based Test**

**(NOTE: May be revised by AIR-100)**

Answer the following questions by darkening in the circle preceding the correct answer.

1. The FA Act of 1958:
  - ☐ Abolished CAA and created the FAA
  - ☐ Regulates and promotes civil aviation
  - ☐ Delegated certain functions to qualified individuals
  - ☐ All of the above
2. CAM documents contain policy material only.
  - ☐ True
  - ☐ False
3. The airworthiness standards were recodified in 1965 and called FARs.
  - ☐ True
  - ☐ False
4. Advisory Circulars contain the only acceptable way to comply with the regulations.
  - ☐ True
  - ☐ False
5. The four certification Directorates are responsible for:
  - ☐ Writing technical policy

- ☒ Writing rules
- ☒ Issuing Airworthiness Directives
- ☒ All of the above



Applicant's Name \_\_\_\_\_

6. CFR Part 183 specifies the types of designees and authorizes appointment of qualified individuals as designees.

- ☐ True
- ☐ False

7. CFR Part 21 is:

- ☐ An airworthiness standard
- ☐ A procedural rule
- ☐ An advisory circular
- ☐ All of the above

8. An applicant for a TC or STC must:

- ☐ Submit the type design
- ☐ Apply using the designated form
- ☐ Show compliance with applicable CFRs
- ☐ All of the above

9. According to part 21 and FAA Order 8110.4(), Type design does not include:

- ☐ Drawings and specifications
- ☐ Reports and computations
- ☐ Dimensions, materials, and processes
- ☐ Instructions for Continued Airworthiness

10. Type Certification Board Meetings:

- ☐ Follow a formal agenda
- ☐ Resolve major project issues
- ☐ Are documented in minutes
- ☐ All of the above

11. A tool for documenting compliance with applicable requirements is:

- ☐ A project schedule
- ☐ The CFRs
- ☐ A compliance checklist
- ☐ A report index

12. Before witnessing an official FAA test, a DER should:

- ☐ Have an approved test plan
- ☐ Verify that conformity inspection is complete and satisfactory
- ☐ Have been delegated to witness the test
- ☐ All of the above

13. The document which authorized ground inspections and ground/flight tests is a:

- ☐ Type Inspection Authorization
- ☐ Compliance Checklist
- ☐ Conformity Inspection Record
- ☐ Supplemental Type Certificate

14. Which of the following is never a change to type design:


- ☐ Acoustical change
- ☐ Major alteration

✍ Major repair

✍ Airworthiness Directive

Applicant's Name \_\_\_\_\_

15. Which of the following is not a requirement for being appointed as a DER?
- ☐ Having integrity, sound judgment, and a cooperative attitude
  - ☐ Being a registered Professional Engineer
  - ☐ Having a thorough working knowledge of the pertinent CFR
  - ☐ Having at least one year of experience in direct contact with the FAA
16. The FAA may refuse to renew the appointment of a DER for inactivity.
- ☐ True
  - ☐ False
17. A DER may approve data using FAA Form:
- ☐ 8100-1
  - ☐ 337
  - ☐ 8110-3
  - ☐ All of the above
18. A DER's area of responsibility includes instructions for continued airworthiness.
- ☐ True
  - ☐ False
19. Aircraft maintenance manuals are FAA approved.
- ☐ True
  - ☐ False
20. CFR Part 21 requires the manufacturer to report certain failures, malfunctions, and defects.
- ☐ True
  - ☐ False
21. Service Bulletins that will be referenced in ADs must be coordinated with the FAA.
- ☐ True
  - ☐ False
22. Which of the following is responsible for maintaining an aircraft in an airworthy condition?
- ☐ DER
  - ☐ Original Equipment Manufacturer
  - ☐ Owner/operator
  - ☐ Repair station or certified mechanic
23. FAA Form 8110-3 can be used to return an aircraft to service.
- ☐ True
  - ☐ False
24. A DER with appropriate delegation can approve the following:
- ☐ A service bulletin not referenced in an AD
  - ☐ Engineering data for alterations and repairs
  - ☐ Type Design data
  - ☐ All of the above
25. The NRS provides technical guidance, advice, and assistance to FAA and DERs.
- ☐ True

 False

Applicant's Name \_\_\_\_\_

26. The AEG provides operation and maintenance input to the aircraft certification process.

- ☐ True
- ☐ False

27. DER procedures are covered in which document:

- ☐ CFR part 21
- ☐ Order 8110.37
- ☐ Order 8100.5
- ☐ CFR part 183

28. Attendance at a DER Standardization Seminar is:

- ☐ Unnecessary
- ☐ Highly recommended
- ☐ Mandatory

29. A DER may make a finding of compliance with foreign regulations.

- ☐ True
- ☐ False

30. A structural DER can approve major repairs without special authorization.

- ☐ True
- ☐ False

31. A Consultant DER must notify his appointing ACO when he/she changes address.

- ☐ True
- ☐ False

32. A Consultant DER conducting work with a project ACO other than his/her appointing ACO must submit a copy of any FAA Form 8110-3 forms to the appointing office.

- ☐ True
- ☐ False

I hereby affirm that I completed this DER test.

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE